AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-6.: (Canceled)

7. (Previously presented) An attenuated *Pasteurellaceae* bacteria comprising a mutation in a nucleotide sequence that encodes an atpG polypeptide comprising an amino acid sequence at least 70% identical to the atpG amino acid sequence of SEQ ID NO:4, said mutation resulting in decreased atpG biological activity, wherein the decreased atpG biological activity attenuates the *Pasteurellaceae* bacteria.

8. (Previously presented) The *Pasteurellaceae* bacteria of claim 7 wherein the decreased atpG biological activity is decreased due to the mutation resulting in decreased atpG polypeptide expression.

9. (Previously presented) The *Pasteurellaceae* bacteria of claim 7 wherein said mutation results in expression of an inactive atpG polypeptide.

10. (Previously presented) The *Pasteurellaceae* bacteria of claim 7 wherein said mutation results in deletion of all or part of said nucleotide sequence that encodes an atpG polypeptide.

11. (Previously presented) The *Pasteurellaceae* bacteria of claim 7 wherein said mutation results in deletion of at least 10% of said nucleotide sequence that encodes an atpG polypeptide.

12. (Previously presented) The *Pasteurellaceae* bacteria of claim 7 wherein said mutation results in an insertion in the nucleotide sequence, said insertion causing decreased expression of the atpG polypeptide encoded thereby and/or expression of an inactive atpG polypeptide encoded thereby.

13. (Original) The *Pasteurellaceae* bacteria of claim 7 selected from the group consisting of *Pasteurella haemolytica*, *Pasteurella multocida*, *Actinobacillus pleuropneumoniae* and *Haemophilus somnus*.

14. (Currently amended) The *Pasteurellaceae* bacteria of claim 13 wherein the decreased atpG biological activity is due to the mutation resulting in decreased atpG ~~gene product~~ polypeptide expression.

15. (Previously presented) The *Pasteurellaceae* bacteria of claim 13 wherein said mutation results in expression of an inactive atpG polypeptide.

16. (Previously presented) The *Pasteurellaceae* bacteria of claim 13 wherein said mutation results in deletion of all or part of said nucleotide sequence that encodes an atpG polypeptide.

17. (Previously presented) The *Pasteurellaceae* bacteria of claim 13 wherein said mutation results in deletion of at least 10% nucleotide sequence that encodes an atpG polypeptide.

18. (Previously presented) The *Pasteurellaceae* bacteria of claim 13 wherein said mutation results in an insertion in the nucleotide sequence, said insertion causing decreased expression of the atpG polypeptide encoded thereby and/or expression of an inactive atpG polypeptide encoded thereby.

19. (Original) The attenuated *Pasteurellaceae* bacteria of claim 13 that is a *P. multocida* bacteria.

20. (Previously presented) The *Pasteurellaceae* bacteria of claim 19 wherein the decreased atpG biological activity is decreased due to the mutation resulting in decreased atpG polypeptide expression.

21. (Previously presented) The *Pasteurellaceae* bacteria of claim 19 wherein said mutation results in expression of an inactive atpG polypeptide.

22. (Previously presented) The *Pasteurellaceae* bacteria of claim 19 wherein said mutation results in deletion of all or part of said nucleotide sequence that encodes an atpG polypeptide.

23. (Previously presented) The *Pasteurellaceae* bacteria of claim 19 wherein said mutation results in deletion of at least 10% of said nucleotide sequence that encodes an atpG polypeptide.

24. (Previously presented) The *Pasteurellaceae* bacteria of claim 19 wherein said mutation results in an insertion in the nucleotide sequence, said insertion causing decreased expression of the atpG polypeptide encoded thereby and/or expression of an inactive atpG polypeptide encoded thereby.

25-30. (Canceled)

31. (Previously presented) An immunogenic composition comprising the bacteria according to any one of claims 7-24.

32-51. (Canceled)